

VON BORSTEL  
Appl. No. 09/763,955  
January 28, 2008

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-47. (cancelled)

48 (currently amended). A method for treating a congenital mitochondrial disease selected from the group consisting of Mitochondrial Encephalomyopathy, Lactic Acidemia, Lerber's Hereditary Optic Neuropathy; Mitochondrial neurogastrointestinal encephalomyopathy; Progressive External Ophthalmoplegia; Leigh's Disease; in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor selected from the group consisting of uridine, an acyl derivative of uridine, cytidine and an acyl derivative of cytidine.

49 (currently amended). A method for treating Alzheimer's Disease in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor selected from the group consisting of uridine, an acyl derivative of uridine, cytidine and an acyl derivative of cytidine.

50 (currently amended). A method for treating Huntington's Disease in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor selected from the group consisting of uridine, an acyl derivative of uridine, cytidine and an acyl derivative of cytidine.

VON BORSTEL  
Appl. No. 09/763,955  
January 28, 2008

51-54 (canceled).

55 (currently amended). A method for treating pathophysiological consequences of mitochondrial respiratory chain dysfunction selected from the group consisting of renal tubular acidosis, dilating cardiomyopathy and lactic acidemia in a mammal comprising administering to said mammal in need of such treatment an effective amount of a pyrimidine nucleotide precursor selected from the group consisting of uridine, an acyl derivative of uridine, cytidine and an acyl derivative of cytidine.

56-61 (canceled).

62 (currently amended). A method as in claim 48 wherein said ~~pyrimidine nucleotide precursor~~ acyl derivative of uridine is 2',3',5'-tri-O-acetyluridine.

63 (currently amended). A method as in claim 49 wherein said ~~pyrimidine nucleotide precursor~~ acyl derivative of uridine is 2',3',5'-tri-O-acetyluridine.

64 (currently amended). A method as in claim 50 wherein said ~~pyrimidine nucleotide precursor~~ acyl derivative of uridine is 2',3',5'-tri-O-acetyluridine.

65-67 (canceled).

VON BORSTEL

Appl. No. 09/763,955

January 28, 2008

68 (currently amended). A method as in claim 55 wherein said pyrimidine nucleotide precursor acyl derivative of uridine is 2',3',5'-tri-O-acetyluridine.

69 (canceled).